BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work:-Comprehensive development of Roads and Drains in Ward no 16 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(01)

Measurement Sheet

First and Part

Item No: 1 — 2-10-20

Item Name: Removing & Refixing stone slabs of drains and pointing in C.M (1:3) Complete as per the direction of Engineer in charge with all lead and lift

	CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
W0079										
	0.00	27.00	1	21.06	0.90	0.90	0.90		18.95	
	27.00	38.00	1							
	38.00	46.10	1	6.32	0.90	0.90	0.90		5.69	
	46.10	56.10	1							
	56.10	86.10	1	23.40	0.90	0.90	0.90		21.06	
	86.10	89.10	1	2.34	0.90	0.90	0.90		2.11	
	89.10	97.50	1							
	97.50	127.50	1	23.40	0.90	0.90	0.90		21.06	
	127.50	145.40	1	13.96	0.90	0.90	0.90		12.57	
W0085 (Kamaladhri) (LHS)										
	0.00	30.00	1	23.40	0.90	0.90	0.90		21.06	
	30.00	60.00	1	23.40	0.90	0.90	0.90		21.06	
	60.00	90.00	1	23.40	0.90	0.90	0.90		21.06	
	90.00	106.60	1	12.95	0.90	0.90	0.90		11.65	
	106.60	113.50	1							
	113.50	142.50	1	22.62	0.90	0.90	0.90		20.36	
	142.50	147.50	1							
	147.50	177.50	1	23.40	0.90	0.90	0.90		21.06	
	177.50	200.20	1	17.71	0.90	0.90	0.90		15.94	
	200.20	230.20	1	23.40	0.90	0.90	0.90		21.06	
	230.20	235.50	1	4.13	0.90	0.90	0.90		3.72	
W0085 (Kamaladhri) (RHS)										
	0.00	30.00	1	23.40	0.90	0.90	0.90		21.06	
	30.00	60.00	1	23.40	0.90	0.90	0.90		21.06	
	60.00	90.00	1	23.40	0.90	0.90	0.90		21.06	
	90.00	95.50	1	4.29	0.90	0.90	0.90		3.86	
	95.50	114.50	1							
	114.50	144.50	1	23.40	0.90	0.90	0.90		21.06	
	144.50	153.20	1	6.79	0.90	0.90	0.90		6.11	
	153.20	159.60	1							
	159.60	168.30	1	6.79	0.90	0.90	0.90		6.11	
	168.30	184.30	1	12.48	0.90	0.90	0.90		11.23	

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	CHAINAGE Land Mark		NO	L (m)	B (m)	Bl (m)	Avg B (m)	D (m)	QTY	REMARKS
	184.30	190.40	1							
	190.40	203.30	1	10.06	0.90	0.90	0.90		9.06	
	203.30	215.70	1	9.67	0.90	0.90	0.90		8.70	
	215.70	221.20	1							
	221.20	235.50	1	11.15	0.90	0.90	0.90		10.04	
W0052 LHS										
	0.00	30.00	1							
	30.00	33.20	1							
	33.20	63.20	1	23.40	0.90	0.90	0.90		21.06	
	63.20	84.10	1	16.30	0.90	0.90	0.90		14.67	
W0052 (RHS)										
	0.00	18.70	1	14.59	0.90	0.90	0.90		13.13	
	18.70	24.80	1							
	24.80	54.80	1	23.40	0.90	0.90	0.90		21.06	
	54.80	71.00	1	12.64	0.90	0.90	0.90		11.37	
	71.00	84.00	1							
								Total Qty Work Done	**459.04**	**Sqm**
								Qty Payable in this bill	**459.04**	**Sqm**

For K. DAMODAR & CO.

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 16

Asst.Executive Engineer
Yashwanthapura sub division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work:-Comprehensive development of Roads and Drains in Ward no 16 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(01)

Measurement Sheet

First and Part

Item No:	2	5/10/20
Item Name:	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 P.No 143 I.No 19.1	

CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Kadamba Hotel Road (LHS)									
0.00	21.10	1	21.10	1.00	1.00	1.00	1.00	21.10	
87.10	101.80	1	14.70	1.00	1.00	1.00	1.00	14.70	
101.80	110.10	1	8.30	1.00	1.00	1.00	1.00	8.30	
110.10	140.10	1	30.00	1.00	1.00	1.00	1.00	30.00	
140.10	146.60	1	6.50	1.00	1.00	1.00	1.00	6.50	
146.60	153.60	1	7.00	1.00	1.00	1.00	1.00	7.00	
153.60	183.60	1	30.00	1.00	1.00	1.00	1.00	30.00	
183.60	213.60	1	30.00	1.00	1.00	1.00	1.00	30.00	
213.60	243.60	1	30.00	1.00	1.00	1.00	1.00	30.00	
243.60	273.60	1	30.00	1.00	1.00	1.00	1.00	30.00	
273.60	303.60	1	30.00	1.00	1.00	1.00	1.00	30.00	
303.60	315.80	1	12.20	1.00	1.00	1.00	1.00	12.20	
315.80	324.40	1	8.60	1.00	1.00	1.00	1.00	8.60	
324.40	354.40	1	30.00	1.00	1.00	1.00	1.00	30.00	
354.40	364.40	1	10.00	1.00	1.00	1.00	1.00	10.00	
364.40	371.30	1	6.90	1.00	1.00	1.00	1.00	6.90	
W0033(HMT High School) LHS									
0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
30.00	60.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
60.00	90.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
90.00	120.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
120.00	121.70	1	1.70	1.00	1.00	1.00	1.00	1.70	
128.80	158.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
158.80	188.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
188.80	218.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
218.80	248.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
248.80	278.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
278.80	287.70	1	8.90	1.00	1.00	1.00	1.00	8.90	
287.70	294.40	1	6.70	1.00	1.00	1.00	1.00	6.70	
294.40	324.40	1	30.00	1.00	1.00	1.00	1.00	30.00	
324.40	354.40	1	30.00	1.00	1.00	1.00	1.00	30.00	
354.40	384.40	1	30.00	1.00	1.00	1.00	1.00	30.00	

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CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
384.40	414.40	1	30.00	1.00	1.00	1.00	1.00	30.00	
414.40	444.40	1	30.00	1.00	1.00	1.00	1.00	30.00	
444.40	474.40	1	30.00	1.00	1.00	1.00	1.00	30.00	
474.40	487.40	1	13.00	1.00	1.00	1.00	1.00	13.00	
487.40	517.40	1	30.00	1.00	1.00	1.00	1.00	30.00	
517.40	519.10	1	1.70	1.00	1.00	1.00	1.00	1.70	
841.50	860.80	1	19.30	1.00	1.00	1.00	1.00	19.30	
W0033(HMT High School) RHS									
50.20	80.20	1	30.00	1.00	1.00	1.00	1.00	30.00	
80.20	110.20	1	30.00	1.00	1.00	1.00	1.00	30.00	
110.20	140.20	1	30.00	1.00	1.00	1.00	1.00	30.00	
140.20	170.20	1	30.00	1.00	1.00	1.00	1.00	30.00	
170.20	200.20	1	30.00	1.00	1.00	1.00	1.00	30.00	
200.20	202.30	1	2.10	1.00	1.00	1.00	1.00	2.10	
202.30	229.30	1	27.00	1.00	1.00	1.00	1.00	27.00	
229.30	259.30	1	30.00	1.00	1.00	1.00	1.00	30.00	
259.30	289.30	1	30.00	1.00	1.00	1.00	1.00	30.00	
289.30	319.30	1	30.00	1.00	1.00	1.00	1.00	30.00	
319.30	349.30	1	30.00	1.00	1.00	1.00	1.00	30.00	
349.30	379.30	1	30.00	1.00	1.00	1.00	1.00	30.00	
379.30	409.30	1	30.00	1.00	1.00	1.00	1.00	30.00	
409.30	420.40	1	11.10	1.00	1.00	1.00	1.00	11.10	
420.40	430.30	1	9.90	1.00	1.00	1.00	1.00	9.90	
430.30	460.30	1	30.00	1.00	1.00	1.00	1.00	30.00	
460.30	490.30	1	30.00	1.00	1.00	1.00	1.00	30.00	
490.30	520.30	1	30.00	1.00	1.00	1.00	1.00	30.00	
520.30	529.80	1	9.50	1.00	1.00	1.00	1.00	9.50	
529.80	538.80	1	9.00	1.00	1.00	1.00	1.00	9.00	
538.80	568.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
568.80	598.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
598.80	628.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
628.80	658.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
658.80	688.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
688.80	718.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
718.80	748.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
748.80	778.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
Disilting									
W0079									
0.00	27.00	1	21.06	0.60	0.60	0.60	0.55	6.95	
27.00	38.00	1							
38.00	46.10	1	6.32	0.60	0.60	0.60	0.55	2.08	
46.10	56.10	1							
56.10	86.10	1	23.40	0.60	0.60	0.60	0.55	7.72	
86.10	89.10	1	2.34	0.60	0.60	0.60	0.55	0.77	

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CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
89.10	97.50	1							
97.50	127.50	1	23.40	0.60	0.60	0.60	0.55	7.72	
127.50	145.40	1	13.96	0.60	0.60	0.60	0.55	4.61	
W0085 (Kamaladhri) (LHS)									
0.00	30.00	1	30.00	0.60	0.60	0.60	0.56	10.08	
30.00	60.00	1	30.00	0.60	0.60	0.60	0.62	11.16	
60.00	90.00	1	30.00	0.60	0.60	0.60	0.65	11.70	
90.00	106.60	1	16.60	0.60	0.60	0.60	0.62	6.18	
106.60	113.50	1							
113.50	142.50	1	29.00	0.60	0.60	0.60	0.56	9.74	
142.50	147.50	1							
147.50	177.50	1	30.00	0.60	0.60	0.60	0.60	10.80	
177.50	200.20	1	22.70	0.60	0.60	0.60	0.62	8.44	
200.20	230.20	1	30.00	0.60	0.60	0.60	0.65	11.70	
230.20	235.50	1	5.30	0.60	0.60	0.60	0.63	2.00	
W0085 (Kamaladhri) (RHS)									
0.00	30.00	1	30.00	0.60	0.60	0.60	0.66	11.88	
30.00	60.00	1	30.00	0.60	0.60	0.60	0.65	11.70	
60.00	90.00	1	30.00	0.60	0.60	0.60	0.63	11.34	
90.00	95.50	1	5.50	0.60	0.60	0.60	0.65	2.15	
95.50	114.50	1							
114.50	144.50	1	30.00	0.60	0.60	0.60	0.66	11.88	
144.50	153.20	1	8.70	0.60	0.60	0.60	0.52	2.71	
153.20	159.60	1							
159.60	168.30	1	8.70	0.60	0.60	0.60	0.53	2.77	
168.30	184.30	1	16.00	0.60	0.60	0.60	0.56	5.38	
184.30	190.40	1							
190.40	203.30	1	12.90	0.60	0.60	0.60	0.62	4.80	
203.30	215.70	1	12.40	0.60	0.60	0.60	0.56	4.17	
215.70	221.20	1							
221.20	235.50	1	14.30	0.60	0.60	0.60	0.55	4.72	
W0052 LHS									
0.00	30.00	1							
30.00	33.20	1							
33.20	63.20	1	30.00	0.60	0.60	0.60	0.58	10.44	
63.20	84.10	1	20.90	0.60	0.60	0.60	0.60	7.52	
W0052 (RHS)									
0.00	18.70	1	18.70	0.60	0.60	0.60	0.62	6.96	
18.70	24.80	1							
24.80	54.80	1	30.00	0.60	0.60	0.60	0.62	11.16	
54.80	71.00	1	16.20	0.60	0.60	0.60	0.63	6.12	

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CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
71.00	84.00	1							
Foothpath Platium City Road									
195.00	225.00	1	30.00	2.00	2.00	2.00	0.40	24.00	
225.00	255.00	1	30.00	2.00	1.70	1.85	0.40	22.20	
255.00	285.00	1	30.00	1.70	2.10	1.90	0.40	22.80	
285.00	315.00	1	30.00	2.10	1.80	1.95	0.40	23.40	
315.00	345.00	1	30.00	1.80	1.90	1.85	0.40	22.20	
345.00	375.00	1	30.00	1.90	1.80	1.85	0.40	22.20	
375.00	405.00	1	30.00	1.80	1.80	1.80	0.40	21.60	
405.00	410.00	1	5.00	1.80	1.80	1.80	0.40	3.60	
Dedct		-22	2.00	1.80	1.80	1.80	0.40	-31.68	
Soulder Drain		-5	2.00	0.60	0.60	0.60	0.40	-2.40	
							Total Qty Work Done	1920.48	Cum
							Qty Payable in this bill	1920.48	Cum

For K. DAMODAR & CO.

Contractor Representative

Managing Partner

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 16

Asst.Executive Engineer
Yashwanthapura sub division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work:-Comprehensive development of Roads and Drains in Ward no 16 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(01)

Measurement Sheet

First and Part

Item No: 3 — 9/10/20

Item Name: Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per the direction of Engineer in charge

CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
Kadamba Hotel Road (LHS)									
0.00	21.10	1	21.10	0.90	0.90	0.90	0.125	2.37	
87.10	101.80	1	14.70	0.90	0.90	0.90	0.125	1.65	
101.80	110.10	1	8.30	0.90	0.90	0.90	0.125	0.93	
110.10	140.10	1	30.00	0.90	0.90	0.90	0.125	3.38	
140.10	146.60	1	6.50	0.90	0.90	0.90	0.125	0.73	
146.60	153.60	1	7.00	0.90	0.90	0.90	0.125	0.79	
153.60	183.60	1	30.00	0.90	0.90	0.90	0.125	3.38	
183.60	213.60	1	30.00	0.90	0.90	0.90	0.125	3.38	
213.60	243.60	1	30.00	0.90	0.90	0.90	0.125	3.38	
243.60	273.60	1	30.00	0.90	0.90	0.90	0.125	3.38	
273.60	303.60	1	30.00	0.90	0.90	0.90	0.125	3.38	
303.60	315.80	1	12.20	0.90	0.90	0.90	0.125	1.37	
315.80	324.40	1	8.60	0.90	0.90	0.90	0.125	0.97	
324.40	354.40	1	30.00	0.90	0.90	0.90	0.125	3.38	
354.40	364.40	1	10.00	0.90	0.90	0.90	0.125	1.13	
364.40	371.30	1	6.90	0.90	0.90	0.90	0.125	0.78	
W0033(HMT High School) LHS									
0.00	30.00	1	30.00	0.90	0.90	0.90	0.125	3.38	
30.00	60.00	1	30.00	0.90	0.90	0.90	0.125	3.38	
60.00	90.00	1	30.00	0.90	0.90	0.90	0.125	3.38	
90.00	120.00	1	30.00	0.90	0.90	0.90	0.125	3.38	
120.00	121.70	1	1.70	0.90	0.90	0.90	0.125	0.19	
128.80	158.80	1	30.00	0.90	0.90	0.90	0.125	3.38	
158.80	188.80	1	30.00	0.90	0.90	0.90	0.125	3.38	
188.80	218.80	1	30.00	0.90	0.90	0.90	0.125	3.38	
218.80	248.80	1	30.00	0.90	0.90	0.90	0.125	3.38	
248.80	278.80	1	30.00	0.90	0.90	0.90	0.125	3.38	
278.80	287.70	1	8.90	0.90	0.90	0.90	0.125	1.00	
287.70	294.40	1	6.70	0.90	0.90	0.90	0.125	0.75	
294.40	324.40	1	30.00	0.90	0.90	0.90	0.125	3.38	
324.40	354.40	1	30.00	0.90	0.90	0.90	0.125	3.38	
354.40	384.40	1	30.00	0.90	0.90	0.90	0.125	3.38	
384.40	414.40	1	30.00	0.90	0.90	0.90	0.125	3.38	
414.40	444.40	1	30.00	0.90	0.90	0.90	0.125	3.38	

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CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
444.40	474.40	1	30.00	0.90	0.90	0.90	0.125	3.38	
474.40	487.40	1	13.00	0.90	0.90	0.90	0.125	1.46	
487.40	517.40	1	30.00	0.90	0.90	0.90	0.125	3.38	
517.40	519.10	1	1.70	0.90	0.90	0.90	0.125	0.19	
841.50	860.80	1	19.30	0.90	0.90	0.90	0.125	2.17	
W0033(HMT High School) RHS									
50.20	80.20	1	30.00	0.90	0.90	0.90	0.125	3.38	
80.20	110.20	1	30.00	0.90	0.90	0.90	0.125	3.38	
110.20	140.20	1	30.00	0.90	0.90	0.90	0.125	3.38	
140.20	170.20	1	30.00	0.90	0.90	0.90	0.125	3.38	
170.20	200.20	1	30.00	0.90	0.90	0.90	0.125	3.38	
200.20	202.30	1	2.10	0.90	0.90	0.90	0.125	0.24	
202.30	229.30	1	27.00	0.90	0.90	0.90	0.125	3.04	
229.30	259.30	1	30.00	0.90	0.90	0.90	0.125	3.38	
259.30	289.30	1	30.00	0.90	0.90	0.90	0.125	3.38	
289.30	319.30	1	30.00	0.90	0.90	0.90	0.125	3.38	
319.30	349.30	1	30.00	0.90	0.90	0.90	0.125	3.38	
349.30	379.30	1	30.00	0.90	0.90	0.90	0.125	3.38	
379.30	409.30	1	30.00	0.90	0.90	0.90	0.125	3.38	
409.30	420.40	1	11.10	0.90	0.90	0.90	0.125	1.25	
420.40	430.30	1	9.90	0.90	0.90	0.90	0.125	1.11	
430.30	460.30	1	30.00	0.90	0.90	0.90	0.125	3.38	
460.30	490.30	1	30.00	0.90	0.90	0.90	0.125	3.38	
490.30	520.30	1	30.00	0.90	0.90	0.90	0.125	3.37	
520.30	529.80	1	9.50	0.90	0.90	0.90	0.125	1.07	
529.80	538.80	1	9.00	0.90	0.90	0.90	0.125	1.01	
538.80	568.80	1	30.00	0.90	0.90	0.90	0.125	3.38	
568.80	598.80	1	30.00	0.90	0.90	0.90	0.125	3.38	
598.80	628.80	1	30.00	0.90	0.90	0.90	0.125	3.38	
628.80	658.80	1	30.00	0.90	0.90	0.90	0.125	3.38	
658.80	688.80	1	30.00	0.90	0.90	0.90	0.125	3.38	
688.80	718.80	1	30.00	0.90	0.90	0.90	0.125	3.38	
718.80	748.80	1	30.00	0.90	0.90	0.90	0.125	3.38	

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CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
748.80	778.80	1	30.00	0.90	0.90	0.90	0.125	3.38	
							Total Qty Work Done	176.09	Cum
							Qty Payable in this bill	176.09	Cum

For K. DAMODAR & CO.

Contractor Representative

Managing Partner

QUALITY CONSULTANTS & ENGINEERS

Consultant Representative

Assistant Engineer
Ward No 16

Asst.Executive Engineer
Yashwanthapura sub division

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work:-Comprehensive development of Roads and Drains in Ward no 16 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(01)

Measurement Sheet

First and Part

Item No: 4 Bel 1 of 20

Item Name: Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.Wall & bottom thickness 15cm complete as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Raft									
Kadamba Hotel Road (LHS)									
0.00	21.10	1	21.10	0.90	0.90	0.90	0.15	2.85	
87.10	101.80	1	14.70	0.90	0.90	0.90	0.15	1.98	
101.80	110.10	1	8.30	0.90	0.90	0.90	0.15	1.12	
110.10	140.10	1	30.00	0.90	0.90	0.90	0.15	4.05	
140.10	146.60	1	6.50	0.90	0.90	0.90	0.15	0.88	
146.60	153.60	1	7.00	0.90	0.90	0.90	0.15	0.95	
153.60	183.60	1	30.00	0.90	0.90	0.90	0.15	4.05	
183.60	213.60	1	30.00	0.90	0.90	0.90	0.15	4.05	
213.60	243.60	1	30.00	0.90	0.90	0.90	0.15	4.05	
243.60	273.60	1	30.00	0.90	0.90	0.90	0.15	4.05	
273.60	303.60	1	30.00	0.90	0.90	0.90	0.15	4.05	
303.60	315.80	1	12.20	0.90	0.90	0.90	0.15	1.65	
315.80	324.40	1	8.60	0.90	0.90	0.90	0.15	1.16	
324.40	354.40	1	30.00	0.90	0.90	0.90	0.15	4.05	
354.40	364.40	1	10.00	0.90	0.90	0.90	0.15	1.35	
364.40	371.30	1	6.90	0.90	0.90	0.90	0.15	0.93	
W0033(HMT High School) LHS									
0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
90.00	120.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
120.00	121.70	1	1.70	0.90	0.90	0.90	0.15	0.23	
128.80	158.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
158.80	188.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
188.80	218.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
218.80	248.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
248.80	278.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
278.80	287.70	1	8.90	0.90	0.90	0.90	0.15	1.20	
287.70	294.40	1	6.70	0.90	0.90	0.90	0.15	0.90	

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CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
294.40	324.40	1	30.00	0.90	0.90	0.90	0.15	4.05	
324.40	354.40	1	30.00	0.90	0.90	0.90	0.15	4.05	
354.40	384.40	1	30.00	0.90	0.90	0.90	0.15	4.05	
384.40	414.40	1	30.00	0.90	0.90	0.90	0.15	4.05	
414.40	444.40	1	30.00	0.90	0.90	0.90	0.15	4.05	
444.40	474.40	1	30.00	0.90	0.90	0.90	0.15	4.05	
474.40	487.40	1	13.00	0.90	0.90	0.90	0.15	1.76	
487.40	517.40	1	30.00	0.90	0.90	0.90	0.15	4.05	
517.40	519.10	1	1.70	0.90	0.90	0.90	0.15	0.23	
841.50	860.80	1	19.30	0.90	0.90	0.90	0.15	2.61	
W0033(HMT High School) RHS									
50.20	80.20	1	30.00	0.90	0.90	0.90	0.15	4.05	
80.20	110.20	1	30.00	0.90	0.90	0.90	0.15	4.05	
110.20	140.20	1	30.00	0.90	0.90	0.90	0.15	4.05	
140.20	170.20	1	30.00	0.90	0.90	0.90	0.15	4.05	
170.20	200.20	1	30.00	0.90	0.90	0.90	0.15	4.05	
200.20	202.30	1	2.10	0.90	0.90	0.90	0.15	0.28	
202.30	229.30	1	27.00	0.90	0.90	0.90	0.15	3.65	
229.30	259.30	1	30.00	0.90	0.90	0.90	0.15	4.05	
259.30	289.30	1	30.00	0.90	0.90	0.90	0.15	4.05	
289.30	319.30	1	30.00	0.90	0.90	0.90	0.15	4.05	
319.30	349.30	1	30.00	0.90	0.90	0.90	0.15	4.05	
349.30	379.30	1	30.00	0.90	0.90	0.90	0.15	4.05	
379.30	409.30	1	30.00	0.90	0.90	0.90	0.15	4.05	
409.30	420.40	1	11.10	0.90	0.90	0.90	0.15	1.50	
420.40	430.30	1	9.90	0.90	0.90	0.90	0.15	1.34	
430.30	460.30	1	30.00	0.90	0.90	0.90	0.15	4.05	
460.30	490.30	1	30.00	0.90	0.90	0.90	0.15	4.05	
490.30	520.30	1	30.00	0.90	0.90	0.90	0.15	4.05	
520.30	529.80	1	9.50	0.90	0.90	0.90	0.15	1.28	
529.80	538.80	1	9.00	0.90	0.90	0.90	0.15	1.22	
538.80	568.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
568.80	598.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
598.80	628.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
628.80	658.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
658.80	688.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
688.80	718.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
718.80	748.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
748.80	778.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
Wall									
Kadamba Hotel Road (LHS)									
0.00	21.10	2	21.10	0.15	0.15	0.15	0.75	4.75	
87.00	101.80	2	14.80	0.15	0.15	0.15	0.75	3.33	
101.80	110.10	2	8.30	0.15	0.15	0.15	0.75	1.87	
110.10	140.10	2	30.00	0.15	0.15	0.15	0.75	6.75	

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CHAINAGE (Land Mark)		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
140.10	146.60	2	6.50	0.15	0.15	0.15	0.75	1.46	
146.60	153.60	2	7.00	0.15	0.15	0.15	0.75	1.58	
153.60	183.60	2	30.00	0.15	0.15	0.15	0.75	6.75	
183.60	213.60	2	30.00	0.15	0.15	0.15	0.75	6.75	
213.60	243.60	2	30.00	0.15	0.15	0.15	0.75	6.75	
243.60	273.60	2	30.00	0.15	0.15	0.15	0.75	6.75	
273.60	303.60	2	30.00	0.15	0.15	0.15	0.75	6.75	
303.60	315.80	2	12.20	0.15	0.15	0.15	0.75	2.75	
315.80	324.40	2	8.60	0.15	0.15	0.15	0.75	1.93	
324.40	354.40	2	30.00	0.15	0.15	0.15	0.75	6.75	
354.40	364.40	2	10.00	0.15	0.15	0.15	0.75	2.25	
364.40	371.30	2	6.90	0.15	0.15	0.15	0.75	1.55	
W0033(HMT High School) LHS									
0.00	30.00	2	30.00	0.15	0.15	0.15	0.75	6.75	
30.00	60.00	2	30.00	0.15	0.15	0.15	0.75	6.75	
60.00	90.00	2	30.00	0.15	0.15	0.15	0.75	6.75	
90.00	120.00	2	30.00	0.15	0.15	0.15	0.75	6.75	
120.00	121.70	2	1.70	0.15	0.15	0.15	0.75	0.38	
128.80	158.80	2	30.00	0.15	0.15	0.15	0.75	6.75	
158.80	188.80	2	30.00	0.15	0.15	0.15	0.75	6.75	
188.80	218.80	2	30.00	0.15	0.15	0.15	0.75	6.75	
218.80	248.80	2	30.00	0.15	0.15	0.15	0.75	6.75	
248.80	278.80	2	30.00	0.15	0.15	0.15	0.75	6.75	
278.80	287.70	2	8.90	0.15	0.15	0.15	0.75	2.00	
287.70	294.40	2	6.70	0.15	0.15	0.15	0.75	1.51	
294.40	324.40	2	30.00	0.15	0.15	0.15	0.75	6.75	
324.40	354.40	2	30.00	0.15	0.15	0.15	0.75	6.75	
354.40	384.40	2	30.00	0.15	0.15	0.15	0.75	6.75	
384.40	414.40	2	30.00	0.15	0.15	0.15	0.75	6.75	
414.40	444.40	2	30.00	0.15	0.15	0.15	0.75	6.75	
444.40	474.40	2	30.00	0.15	0.15	0.15	0.75	6.75	
474.40	487.40	2	13.00	0.15	0.15	0.15	0.75	2.93	
487.40	517.40	2	30.00	0.15	0.15	0.15	0.75	6.75	
517.40	519.10	2	1.70	0.15	0.15	0.15	0.75	0.38	
841.50	860.80	2	19.30	0.15	0.15	0.15	0.75	4.34	
W0033(HMT High School) RHS									
50.20	80.20	2	30.00	0.15	0.15	0.15	0.75	6.75	
80.20	110.20	2	30.00	0.15	0.15	0.15	0.75	6.75	
110.20	140.20	2	30.00	0.15	0.15	0.15	0.75	6.75	
140.20	170.20	2	30.00	0.15	0.15	0.15	0.75	6.75	
170.20	200.20	2	30.00	0.15	0.15	0.15	0.75	6.75	
200.20	202.30	2	2.10	0.15	0.15	0.15	0.75	0.47	
202.30	229.30	2	27.00	0.15	0.15	0.15	0.75	6.08	
229.30	259.30	2	30.00	0.15	0.15	0.15	0.75	6.75	
259.30	289.30	2	30.00	0.15	0.15	0.15	0.75	6.75	

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CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
289.30	319.30	2	30.00	0.15	0.15	0.15	0.75	6.75	
319.30	349.30	2	30.00	0.15	0.15	0.15	0.75	6.75	
349.30	379.30	2	30.00	0.15	0.15	0.15	0.75	6.75	
379.30	409.30	2	30.00	0.15	0.15	0.15	0.75	6.75	
409.30	420.40	2	11.10	0.15	0.15	0.15	0.75	2.50	
420.40	430.30	2	9.90	0.15	0.15	0.15	0.75	2.23	
430.30	460.30	2	30.00	0.15	0.15	0.15	0.75	6.75	
460.30	490.30	2	30.00	0.15	0.15	0.15	0.75	6.75	
490.30	520.30	2	30.00	0.15	0.15	0.15	0.75	6.75	
520.30	529.80	2	9.50	0.15	0.15	0.15	0.75	2.14	
529.80	538.80	2	9.00	0.15	0.15	0.15	0.75	2.03	
538.80	568.80	2	30.00	0.15	0.15	0.15	0.75	6.75	
568.80	598.80	2	30.00	0.15	0.15	0.15	0.75	6.75	
598.80	628.80	2	30.00	0.15	0.15	0.15	0.75	6.75	
628.80	658.80	2	30.00	0.15	0.15	0.15	0.75	6.75	
658.80	688.80	2	30.00	0.15	0.15	0.15	0.75	6.75	
688.80	718.80	2	30.00	0.15	0.15	0.15	0.75	6.75	
718.80	748.80	2	30.00	0.15	0.15	0.15	0.75	6.75	
748.80	778.80	2	30.00	0.15	0.15	0.15	0.75	6.75	
							Total Qty Work Done	563.49	Cum
							Qty Limited	563.49	Cum

For R. DAMODAR & CO.

Contractor Representative

Managing Partner

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 16

Asst.Executive Engineer
Yashwanthapura sub division

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work:-Comprehensive development of Roads and Drains in Ward no 16 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(01)

Measurement Sheet

First and Part

Item No:	5	13.1.0.1.20

Item Name: Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification, MORTH Specification No.1600 & 2200 TMT Bars Fe 500 complete as per the

CHAINAGE / Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Qty Vide From Calculation Sheet							34.23	
						Total Qty Work Done	34.23	Ton
						Qty Payable in this bill	33.40	Ton

For K. DAMODAR & CO.

Contractor Representative

Managing Partner

Consultant Representative

Assistant Engineer
Ward No 16

Asst.Executive Engineer
Yashwanthapura sub division

Scanned with CamScanner

Pre measurement of Steel

Slno	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standard Weight per Meter in kgs	Weight of Steel in kgs	Remarks
					Kadamba Hotel Road (LHS)					
1	10	1	125mm C/C	2442	2.70	6594.48	Main Bar	0.617	4070.67	
2	8	1	125mm C/C	22	305.30	6594.48	Distrubuation	0.395	2605.23	
					W0033(HMT High School) LHS					
3	10	1	125mm C/C	4250	2.70	11476.08	Main Bar	0.617	7084.00	
4	8	1	125mm C/C	22	531.30	11476.08	Distrubuation	0.395	4533.76	
					W0033(HMT High School) RHS					
1	10	1	125mm C/C	5829	2.70	15737.76	Main Bar	0.617	9714.67	
2	8	1	125mm C/C	22	728.60	15737.76	Distrubuation	0.395	6217.39	
							Total Quantity of Steel in Kg's		**34225.7**	**kgs**
							Total Quantity of Steel in Tonne's		**34.23**	**Tonnes**
							Total Quantity of Steel Payable in this Bill in Tonne's		**34.23**	**Tonnes**

For K. RAMAIAH & CO.
Contractor Representative

Assistant Engineer
Ward No 16

Consultant Representative

Asst.Executive Engineer
Yashwanthapura sub division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work:-Comprehensive development of Roads and Drains in Ward no 16 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(01)

Measurement Sheet

First and Part

Item No: 16 — 23/11/20

Item Name: Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. complete as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Foothpath Platium City Road									
195.00	225.00	1	30.00	2.00	2.00	2.00	0.30	18.00	
225.00	255.00	1	30.00	2.00	1.70	1.85	0.30	16.65	
255.00	285.00	1	30.00	1.70	2.10	1.90	0.30	17.10	
285.00	315.00	1	30.00	2.10	1.80	1.95	0.30	17.55	
315.00	345.00	1	30.00	1.80	1.90	1.85	0.30	16.65	
345.00	375.00	1	30.00	1.90	1.80	1.85	0.30	16.65	
375.00	405.00	1	30.00	1.80	1.80	1.80	0.30	16.20	
405.00	410.00	1	5.00	1.80	1.80	1.80	0.30	2.70	
Dedct		-22	2.00	1.80	1.80	1.80	0.30	-23.76	
Soulder Drain		-5	2.00	0.60	0.60	0.60	0.30	-1.80	
							Total Qty Work Done	95.94	Cum
							Qty Payable in this bill	95.94	Cum

For K. DAMODAR & CO.

Contractor Representative

Managing Partner

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 16

Asst.Executive Engineer
Yashwanthapura sub division

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work:-Comprehensive development of Roads and Drains in Ward no 16 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(01)

Measurement Sheet

First and Part

Item No: 9 dt 11/20

Item Name: Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in For Coping , including cost of all materials, labour, HOM curing complete as per the direction of Engineer in charge

CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
Foothpath Platium City Road									
195.00	225.00	1	30.00	2.00	2.00	2.00	0.15	9.00	
225.00	255.00	1	30.00	2.00	1.70	1.85	0.15	8.33	
255.00	285.00	1	30.00	1.70	2.10	1.90	0.15	8.55	
285.00	315.00	1	30.00	2.10	1.80	1.95	0.15	8.78	
315.00	345.00	1	30.00	1.80	1.90	1.85	0.15	8.33	
345.00	375.00	1	30.00	1.90	1.80	1.85	0.15	8.33	
375.00	405.00	1	30.00	1.80	1.80	1.80	0.15	8.10	
405.00	410.00	1	5.00	1.80	1.80	1.80	0.15	1.35	
Dedct		-22	2.00	1.80	1.80	1.80	0.15	-11.88	
Soulder Drain		-5	2.00	0.60	0.60	0.60	0.15	-0.90	
Below Kerb									
W0085 (Kamaladhri) (LHS)									
0.00	30.00	1	30.00	0.15	0.15	0.15	0.10	0.45	
30.00	60.00	1	30.00	0.15	0.15	0.15	0.10	0.45	
60.00	90.00	1	30.00	0.15	0.15	0.15	0.10	0.45	
90.00	106.60	1	16.60	0.15	0.15	0.15	0.10	0.25	
106.60	113.50	1							
113.50	142.50	1	29.00	0.15	0.15	0.15	0.10	0.44	
142.50	147.50	1							
147.50	177.50	1	30.00	0.15	0.15	0.15	0.10	0.45	
177.50	200.20	1	22.70	0.15	0.15	0.15	0.10	0.34	
200.20	230.20	1	30.00	0.15	0.15	0.15	0.10	0.45	
230.20	235.50	1	5.30	0.15	0.15	0.15	0.10	0.08	
W0085 (Kamaladhri) (RHS)									
0.00	30.00	1	30.00	0.15	0.15	0.15	0.10	0.45	
30.00	60.00	1	30.00	0.15	0.15	0.15	0.10	0.45	
60.00	90.00	1	30.00	0.15	0.15	0.15	0.10	0.45	
90.00	95.50	1	5.50	0.15	0.15	0.15	0.10	0.08	
95.50	114.50	1							

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CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
114.50	144.50	1	30.00	0.15	0.15	0.15	0.10	0.45	
144.50	153.20	1	8.70	0.15	0.15	0.15	0.10	0.13	
153.20	159.60	1							
159.60	168.30	1	8.70	0.15	0.15	0.15	0.10	0.13	
168.30	184.30	1	16.00	0.15	0.15	0.15	0.10	0.24	
184.30	190.40	1							
190.40	203.30	1	12.90	0.15	0.15	0.15	0.10	0.19	
203.30	215.70	1	12.40	0.15	0.15	0.15	0.10	0.19	
215.70	221.20	1							
221.20	235.50	1	14.30	0.15	0.15	0.15	0.10	0.21	
W0052 LHS									
0.00	30.00	1							
30.00	33.20	1							
33.20	63.20	1	30.00	0.15	0.15	0.15	0.10	0.45	
63.20	84.10	1	20.90	0.15	0.15	0.15	0.10	0.31	
W0052 (RHS)									
0.00	18.70	1	18.70	0.15	0.15	0.15	0.10	0.28	
18.70	24.80	1							
24.80	54.80	1	30.00	0.15	0.15	0.15	0.10	0.45	
54.80	71.00	1	16.20	0.15	0.15	0.15	0.10	0.24	
71.00	84.00	1							
Foothpath Platium City Road									
36.00	66.00	1	30.00	0.15	0.15	0.15	0.10	0.45	
66.00	96.00	1	30.00	0.15	0.15	0.15	0.10	0.45	
96.00	126.00	1	30.00	0.15	0.15	0.15	0.10	0.45	
126.00	156.00	1	30.00	0.15	0.15	0.15	0.10	0.45	
156.00	162.00	1	6.00	0.15	0.15	0.15	0.10	0.09	
177.70	207.70	1	30.00	0.15	0.15	0.15	0.10	0.45	
207.70	237.70	1	30.00	0.15	0.15	0.15	0.10	0.45	
237.70	267.70	1	30.00	0.15	0.15	0.15	0.10	0.45	
267.70	287.90	1	20.20	0.15	0.15	0.15	0.10	0.30	
293.30	323.30	1	30.00	0.15	0.15	0.15	0.10	0.45	
323.30	353.30	1	30.00	0.15	0.15	0.15	0.10	0.45	
353.30	383.30	1	30.00	0.15	0.15	0.15	0.10	0.45	
383.30	394.40	1	11.10	0.15	0.15	0.15	0.10	0.17	
Kerb Back									
W0085 (Kamaladhri) (LHS)									
0.00	30.00	1	30.00	0.10	0.10	0.10	0.30	0.90	
30.00	60.00	1	30.00	0.10	0.10	0.10	0.30	0.90	
60.00	90.00	1	30.00	0.10	0.10	0.10	0.30	0.90	
90.00	106.60	1	16.60	0.10	0.10	0.10	0.30	0.50	

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CHAINAGE Land Mark		NO	L (m)	B (m)	Bl (m)	Avg B (m)	D (m)	QTY	REMARKS
106.60	113.50	1							
113.50	142.50	1	29.00	0.10	0.10	0.10	0.30	0.87	
142.50	147.50	1							
147.50	177.50	1	30.00	0.10	0.10	0.10	0.30	0.90	
177.50	200.20	1	22.70	0.10	0.10	0.10	0.30	0.68	
200.20	230.20	1	30.00	0.10	0.10	0.10	0.30	0.90	
230.20	235.50	1	5.30	0.10	0.10	0.10	0.30	0.16	
W0085 (Kamaladhri) (RHS)									
0.00	30.00	1	30.00	0.10	0.10	0.10	0.30	0.90	
30.00	60.00	1	30.00	0.10	0.10	0.10	0.30	0.90	
60.00	90.00	1	30.00	0.10	0.10	0.10	0.30	0.90	
90.00	95.50	1	5.50	0.10	0.10	0.10	0.30	0.17	
95.50	114.50	1							
114.50	144.50	1	30.00	0.10	0.10	0.10	0.30	0.90	
144.50	153.20	1	8.70	0.10	0.10	0.10	0.30	0.26	
153.20	159.60	1							
159.60	168.30	1	8.70	0.10	0.10	0.10	0.30	0.26	
168.30	184.30	1	16.00	0.10	0.10	0.10	0.30	0.48	
184.30	190.40	1							
190.40	203.30	1	12.90	0.10	0.10	0.10	0.30	0.39	
203.30	215.70	1	12.40	0.10	0.10	0.10	0.30	0.37	
215.70	221.20	1							
221.20	235.50	1	14.30	0.10	0.10	0.10	0.30	0.43	
W0052 LHS									
0.00	30.00	1							
30.00	33.20	1							
33.20	63.20	1	30.00	0.10	0.10	0.10	0.30	0.90	
63.20	84.10	1	20.90	0.10	0.10	0.10	0.30	0.63	
W0052 (RHS)									
0.00	18.70	1	18.70	0.10	0.10	0.10	0.30	0.56	
18.70	24.80	1							
24.80	54.80	1	30.00	0.10	0.10	0.10	0.30	0.90	
54.80	71.00	1	16.20	0.10	0.10	0.10	0.30	0.49	
71.00	84.00	1							
Foothpath Platium City Road									
36.00	66.00	1	30.00	0.10	0.10	0.10	0.30	0.90	
66.00	96.00	1	30.00	0.10	0.10	0.10	0.30	0.90	
96.00	126.00	1	30.00	0.10	0.10	0.10	0.30	0.90	
126.00	156.00	1	30.00	0.10	0.10	0.10	0.30	0.90	
156.00	162.00	1	6.00	0.10	0.10	0.10	0.30	0.18	
177.70	207.70	1	30.00	0.10	0.10	0.10	0.30	0.90	

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CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
207.70	237.70	1	30.00	0.10	0.10	0.10	0.30	0.90	
237.70	267.70	1	30.00	0.10	0.10	0.10	0.30	0.90	
267.70	287.90	1	20.20	0.10	0.10	0.10	0.30	0.61	
293.30	323.30	1	30.00	0.10	0.10	0.10	0.30	0.90	
323.30	353.30	1	30.00	0.10	0.10	0.10	0.30	0.90	
353.30	383.30	1	30.00	0.10	0.10	0.10	0.30	0.90	
383.30	394.40	1	11.10	0.10	0.10	0.10	0.30	0.33	
Vent Correction									
W0079									
0.00	27.00	1	27.00	0.60	0.60	0.60	0.15	2.43	
27.00	38.00	1							
38.00	46.10	1	8.10	0.60	0.60	0.60	0.15	0.73	
46.10	56.10	1							
56.10	86.10	1	30.00	0.60	0.60	0.60	0.15	2.70	
86.10	89.10	1	3.00	0.60	0.60	0.60	0.15	0.27	
89.10	97.50	1							
97.50	127.50	1	30.00	0.60	0.60	0.60	0.15	2.70	
127.50	145.40	1	17.90	0.60	0.60	0.60	0.15	1.61	
W0085 (Kamaladhri) (LHS)									
0.00	30.00	1	30.00	0.60	0.60	0.60	0.15	2.70	
30.00	60.00	1	30.00	0.60	0.60	0.60	0.15	2.70	
60.00	90.00	1	30.00	0.60	0.60	0.60	0.15	2.70	
90.00	106.60	1	16.60	0.60	0.60	0.60	0.15	1.49	
106.60	113.50	1							
113.50	142.50	1	29.00	0.60	0.60	0.60	0.15	2.61	
142.50	147.50	1							
147.50	177.50	1	30.00	0.60	0.60	0.60	0.15	2.70	
177.50	200.20	1	22.70	0.60	0.60	0.60	0.15	2.04	
200.20	230.20	1	30.00	0.60	0.60	0.60	0.15	2.70	
230.20	235.50	1	5.30	0.60	0.60	0.60	0.15	0.48	
W0085 (Kamaladhri) (RHS)									
0.00	30.00	1	30.00	0.60	0.60	0.60	0.15	2.70	
30.00	60.00	1	30.00	0.60	0.60	0.60	0.15	2.70	
60.00	90.00	1	30.00	0.60	0.60	0.60	0.15	2.70	
90.00	95.50	1	5.50	0.60	0.60	0.60	0.15	0.50	
95.50	114.50	1							
114.50	144.50	1	30.00	0.60	0.60	0.60	0.15	2.70	
144.50	153.20	1	8.70	0.60	0.60	0.60	0.15	0.78	
153.20	159.60	1							
159.60	168.30	1	8.70	0.60	0.60	0.60	0.15	0.78	
168.30	184.30	1	16.00	0.60	0.60	0.60	0.15	1.44	

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	CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
	184.30	190.40	1							
	190.40	203.30	1	12.90	0.60	0.60	0.60	0.15	1.16	
	203.30	215.70	1	12.40	0.60	0.60	0.60	0.15	1.12	
	215.70	221.20	1							
	221.20	235.50	1	14.30	0.60	0.60	0.60	0.15	1.29	
W0052 LHS										
	0.00	30.00	1							
	30.00	33.20	1							
	33.20	63.20	1	30.00	0.60	0.60	0.60	0.15	2.70	
	63.20	84.10	1	20.90	0.60	0.60	0.60	0.15	1.88	
W0052 (RHS)										
	0.00	18.70	1	18.70	0.60	0.60	0.60	0.15	1.68	
	18.70	24.80	1							
	24.80	54.80	1	30.00	0.60	0.60	0.60	0.15	2.70	
	54.80	71.00	1	16.20	0.60	0.60	0.60	0.15	1.46	
	71.00	84.00	1							
								Total Qty Work Done	146.21	Cum
								Qty Payable in this bill	146.21	Cum

For K. DAMODAR & CO.

Contractor Representative

Managing Partner

CIVIL QUALITY CONSULTANTS FOR ENGINEERS

Consultant Representative

Assistant Engineer
Ward No 16

Asst.Executive Engineer
Yashwanthapura sub division

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Measurement Sheet

First and Part

No	1*	31/5/20								
Item	Providing and laying heavy duty cobble duster 70mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm, over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 nos compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and hire of machineries complete as per the direction of Engineer in charge									
	CHAINAGE		NO	L (m)	B (m)	BV (m)	Avg B (m)	D (m)	QTY	REMARKS
	Land Mark									
	Footpath Platium City Road									
	185.00	225.00	1	30.00	2.00	2.00	2.00		60.00	
	225.00	255.00	1	30.00	2.00	1.70	1.85		55.50	
	255.00	285.00	1	30.00	1.70	2.10	1.90		57.00	
	285.00	315.00	1	30.00	2.10	1.80	1.95		58.50	
	315.00	345.00	1	30.00	1.80	1.90	1.85		55.50	
	345.00	375.00	1	30.00	1.90	1.80	1.85		55.50	
	375.00	405.00	1	30.00	1.80	1.80	1.80		54.00	
	405.00	410.00	1	5.00	1.80	1.80	1.80		9.00	
	Dedct		-22	2.00	1.80	1.80	1.80		-79.20	
	Boulder Drain		-5	2.00	0.60	0.60	0.60		-6.00	
								Total Qty Work Done	319.80	Sqm
								Qty Payable in this bill	319.80	Sqm

For M DAMODAR & CO.

Contractor Representative

Managing Partner

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 16

Asst.Executive Engineer
Yashwanthapura sub division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work:-Comprehensive development of Roads and Drains in Ward no 16 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(01)

Measurement Sheet

First and Part

Item No: 11 02/10/20

Item Name: Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.9 x 0.60 x 0.1)

CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
Kadamba Hotel Road (LHS) For Covering Slab									
0.00	21.10	1	21.10	0.90	0.90	0.90		18.99	
87.10	101.80	1	14.70	0.90	0.90	0.90		13.23	
101.80	110.10	1	8.30	0.90	0.90	0.90		7.47	
110.10	140.10	1	30.00	0.90	0.90	0.90		27.00	
140.10	146.60	1	6.50	0.90	0.90	0.90		5.85	
146.60	153.60	1	7.00	0.90	0.90	0.90		6.30	
153.60	183.60	1	30.00	0.90	0.90	0.90		27.00	
183.60	213.60	1	30.00	0.90	0.90	0.90		27.00	
213.60	243.60	1	30.00	0.90	0.90	0.90		27.00	
243.60	273.60	1	30.00	0.90	0.90	0.90		27.00	
273.60	303.60	1	30.00	0.90	0.90	0.90		27.00	
303.60	315.80	1	12.20	0.90	0.90	0.90		10.98	
315.80	324.40	1	8.60	0.90	0.90	0.90		7.74	
324.40	354.40	1	30.00	0.90	0.90	0.90		27.00	
354.40	364.40	1	10.00	0.90	0.90	0.90		9.00	
364.40	371.30	1	6.90	0.90	0.90	0.90		6.21	
W0033(HMT High School) LHS									
0.00	30.00	1	30.00	0.90	0.90	0.90		27.00	
30.00	60.00	1	30.00	0.90	0.90	0.90		27.00	
60.00	90.00	1	30.00	0.90	0.90	0.90		27.00	
90.00	120.00	1	30.00	0.90	0.90	0.90		27.00	
120.00	121.70	1	1.70	0.90	0.90	0.90		1.53	
128.80	158.80	1	30.00	0.90	0.90	0.90		27.00	
158.80	188.80	1	30.00	0.90	0.90	0.90		27.00	
188.80	218.80	1	30.00	0.90	0.90	0.90		27.00	
218.80	248.80	1	30.00	0.90	0.90	0.90		27.00	
248.80	278.80	1	30.00	0.90	0.90	0.90		27.00	
278.80	287.70	1	8.90	0.90	0.90	0.90		8.01	
287.70	294.40	1	6.70	0.90	0.90	0.90		6.03	
294.40	324.40	1	30.00	0.90	0.90	0.90		27.00	
324.40	354.40	1	30.00	0.90	0.90	0.90		27.00	
354.40	384.40	1	30.00	0.90	0.90	0.90		27.00	

Assistant Executive Engineer
Rajarajeshwari Nagara Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 044.

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CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
384.40	414.40	1	30.00	0.90	0.90	0.90		27.00	
414.40	444.40	1	30.00	0.90	0.90	0.90		27.00	
444.40	474.40	1	30.00	0.90	0.90	0.90		27.00	
474.40	487.40	1	13.00	0.90	0.90	0.90		11.70	
487.40	517.40	1	30.00	0.90	0.90	0.90		27.00	
517.40	519.10	1	1.70	0.90	0.90	0.90		1.53	
841.50	860.80	1	19.30	0.90	0.90	0.90		17.37	
W0033(HMT High School) RHS									
50.20	80.20	1	30.00	0.90	0.90	0.90		27.00	
80.20	110.20	1	30.00	0.90	0.90	0.90		27.00	
110.20	140.20	1	30.00	0.90	0.90	0.90		27.00	
140.20	170.20	1	30.00	0.90	0.90	0.90		27.00	
170.20	200.20	1	30.00	0.90	0.90	0.90		27.00	
200.20	202.30	1	2.10	0.90	0.90	0.90		1.89	
202.30	229.30	1	27.00	0.90	0.90	0.90		24.30	
229.30	259.30	1	30.00	0.90	0.90	0.90		27.00	
259.30	289.30	1	30.00	0.90	0.90	0.90		27.00	
289.30	319.30	1	30.00	0.90	0.90	0.90		27.00	
319.30	349.30	1	30.00	0.90	0.90	0.90		27.00	
349.30	379.30	1	30.00	0.90	0.90	0.90		27.00	
379.30	409.30	1	30.00	0.90	0.90	0.90		27.00	
409.30	420.40	1	11.10	0.90	0.90	0.90		9.99	
420.40	430.30	1	9.90	0.90	0.90	0.90		8.91	
430.30	460.30	1	30.00	0.90	0.90	0.90		27.00	
460.30	490.30	1	30.00	0.90	0.90	0.90		27.00	
490.30	520.30	1	30.00	0.90	0.90	0.90		27.00	
520.30	529.80	1	9.50	0.90	0.90	0.90		8.55	
529.80	538.80	1	9.00	0.90	0.90	0.90		8.10	
538.80	568.80	1	18.00	0.90	0.90	0.90		16.20	
							Total Qty Work Done	**1208.88**	**Sqm**
							Qty Payable in this bill	**1202.51**	**Sqm**

For K. DAMODAR & CO.

Contractor Representative

Managing Partner

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer

Ward No 16

Asst.Executive Engineer

Yashwanthapura sub division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work:-Comprehensive development of Roads and Drains in Ward no 16 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(01)

Measurement Sheet

First and Part

Item No: 13 21.1.20

Item Name: Removing and resetting of kerb stones.complete as per the direction of Engineer in charge

	CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
W0085 (Kamaladhri) (LHS)										
	0.00	30.00	1	19.50						
	30.00	60.00	1	19.50					19.50	
	60.00	90.00	1	19.50					19.50	
	90.00	106.60	1	10.79					19.50	
	106.60	113.50	1						10.79	
	113.50	142.50	1	18.85						
	142.50	147.50	1						18.85	
	147.50	177.50	1	19.50						
	177.50	200.20	1	14.76					19.50	
	200.20	230.20	1	19.50					14.76	
	230.20	235.50	1	3.45					19.50	
W0085 (Kamaladhri) (RHS)									3.45	
	0.00	30.00	1	19.50						
	30.00	60.00	1	19.50					19.50	
	60.00	90.00	1	19.50					19.50	
	90.00	95.50	1	3.58					19.50	
	95.50	114.50	1						3.58	
	114.50	144.50	1	19.50						
	144.50	153.20	1	5.65					19.50	
	153.20	159.60	1						5.65	
	159.60	168.30	1	5.66						
	168.30	184.30	1	10.40					5.66	
	184.30	190.40	1						10.40	
	190.40	203.30	1	8.39						
	203.30	215.70	1	8.06					8.39	
	215.70	221.20	1						8.06	
	221.20	235.50	1	9.30						
W0052 LHS									9.30	
	0.00	30.00	1							
	30.00	33.20	1							
	33.20	63.20	1	19.50					19.50	
	63.20	84.10	1	13.59					13.59	

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	CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
W0052 (RHS)										
	0.00	18.70	1	12.16						
	18.70	24.80	1						12.16	
	24.80	54.80	1	19.50						
	54.80	71.00	1	10.53					19.50	
	71.00	84.00	1						10.53	
								Total Qty Work Done	349.64	Rmt
								Qty Payable in this bill	349.64	Rmt

For K. DAMODAR & CO.

Contractor Representative
Managing Partner

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 16

Asst.Executive Engineer
Yashwanthapura sub division

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the work:-Comprehensive development of Roads and Drains in Ward no 16 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE. - 2019-20-RRN-DIV(01)

Measurement Sheet

First and Part

Item No: 14 04/12/20

Item Name: Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
W0085 (Kamaladhri) (LHS)									
0.00	30.00	1	10.50					10.50	
30.00	60.00	1	10.50					10.50	
60.00	90.00	1	10.50					10.50	
90.00	106.60	1	5.81					5.81	
106.60	113.50	1							
113.50	142.50	1	10.15					10.15	
142.50	147.50	1							
147.50	177.50	1	10.50					10.50	
177.50	200.20	1	7.95					7.95	
200.20	230.20	1	10.50					10.50	
230.20	235.50	1	1.86					1.86	
W0085 (Kamaladhri) (RHS)									
0.00	30.00	1	10.50					10.50	
30.00	60.00	1	10.50					10.50	
60.00	90.00	1	10.50					10.50	
90.00	95.50	1	1.93					1.93	
95.50	114.50	1							
114.50	144.50	1	10.50					10.50	
144.50	153.20	1	3.05					3.05	
153.20	159.60	1							
159.60	168.30	1	3.05					3.05	
168.30	184.30	1	5.60					5.60	
184.30	190.40	1							
190.40	203.30	1	4.52					4.52	
203.30	215.70	1	4.34					4.34	
215.70	221.20	1							
221.20	235.50	1	5.01					5.01	
W0052 LHS									
0.00	30.00	1							
30.00	33.20	1							
33.20	63.20	1	10.50					10.50	

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CHAINAGE		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Land Mark									
63.20	84.10	1	7.32					7.32	
0052 (RHS)									
0.00	18.70	1	6.55					6.55	
18.70	24.80	1							
24.80	54.80	1	10.50					10.50	
54.80	71.00	1	5.67					5.67	
71.00	84.00	1							
Foothpath Platium City Road LHS									
36.00	66.00	1	30.00					30.00	
66.00	96.00	1	30.00					30.00	
96.00	126.00	1	30.00					30.00	
126.00	156.00	1	30.00					30.00	
156.00	162.00	1	6.00					6.00	
177.70	207.70	1	30.00					30.00	
207.70	237.70	1	30.00					30.00	
237.70	267.70	1	30.00					30.00	
267.70	287.90	1	20.20					20.20	
293.30	323.30	1	30.00					30.00	
323.30	353.30	1	30.00					30.00	
353.30	383.30	1	30.00					30.00	
383.30	394.40	1	11.10					11.10	
Foothpath Platium City Road RHS									
0.00	30.00	1	30.00					30.00	
30.00	60.00	1	30.00					30.00	
60.00	90.00	1	30.00					30.00	
90.00	120.00	1	30.00					30.00	
120.00	150.00	1	30.00					30.00	
177.70	207.70	1	30.00					30.00	
207.70	237.70	1	30.00					30.00	
237.70	267.70	1	30.00					30.00	
267.70	287.90	1	20.20					20.20	
293.30	323.30	1	30.00					30.00	
323.30	353.30	1	30.00					30.00	
353.30	383.30	1	30.00					30.00	

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CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
383.30	410.00	1	26.70					26.70	
		Total Length						902.47	
		No of Kerbs = Length /0.45						2005.00	
								Total Qty Work Done	2005.00	No's
								Qty Payable in this bill	2005.00	No's

For K. RAMOORTHY & CO.

Contractor Representative

Managing Partner

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
Ward No 16

Asst.Executive Engineer
Yashwanthapura sub division

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